

FIG. 1

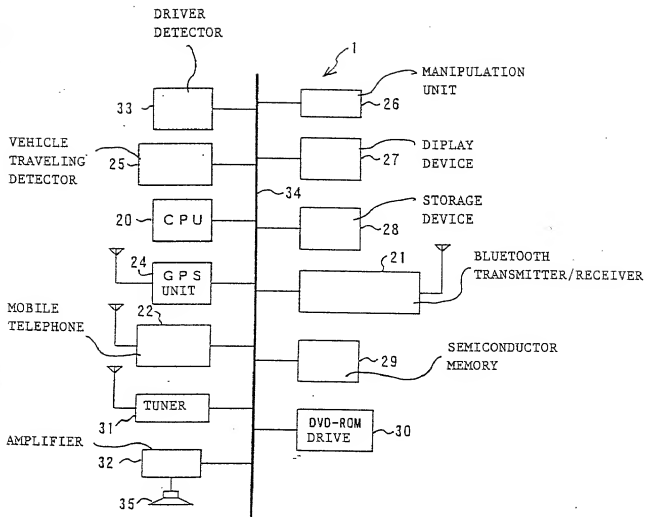


FIG. 2

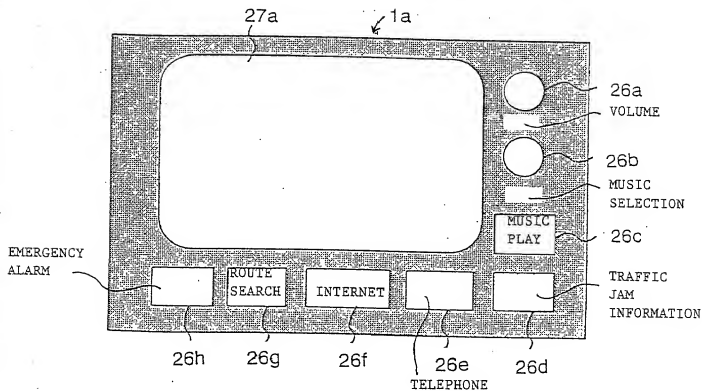


FIG. 3

MUSIC PLAY
INTERNET RADIO
MP3 DATA
GROUND WAVE

RETURN

FIG. 4 A

TRAFFIC JAM INFORMATION
RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

FIG. 4 B

TELEPHONE
CONTACT ADDRESS
LIST

RETURN

FIG. 4 C

ROUTE SEARCH
DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

FIG. 4 D

EMERGENCY ALARM
ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

FIG. 4 E

0001002.00201

CAR PROFILE DATABASE

USER

PASSWORD

LOGIN HELP

FIG. 5A

CAR PROFILE DATABASE

APPLICATION

DATABASE

USER SETTING

UPDATE DATA

FIG. 5B

APPLICATION

TRAVELING MANAGEMENT

EMERGENCY ALARM

MUSIC DELIVERY

ANTI-THEFT

VEHICLE MANAGEMENT

PUBLIC TELEPHONE

ROUTE SEARCH

MAIL RETURN

FIG. 5C

DATABASE

VEHICLE DATA

TRAVELING DATA

DRIVER DATA

MUSIC DATA

ADDRESS BOOK

MAP DATA

RETURN

FIG. 5D

USER SETTING

SET ACCESS RIGHT

ADD NEW USER

CHANGE USER DATA

SET ACCESS POINT

RETURN

FIG. 5E

UPDATE DATA

UNCONDITIONAL UPDATE (DATA MOVE)

CONDITIONAL UPDATE (DESTINATION)

CONDITIONAL UPDATE

(COMMUNICATION CONDITION)

ERASE (FORMAT)

RETURN

FIG. 5F

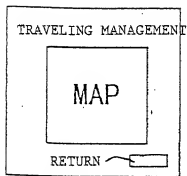


FIG. 6A

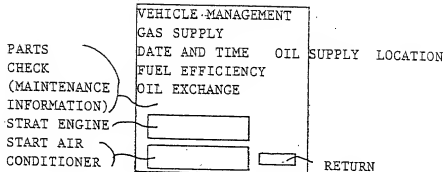


FIG. 6E

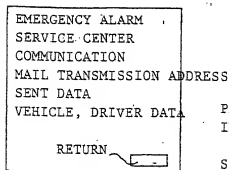


FIG. 6B

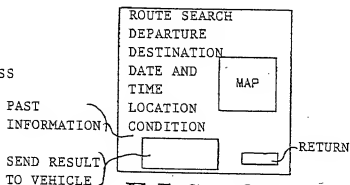


FIG. 6F

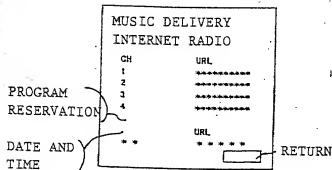


FIG. 6C

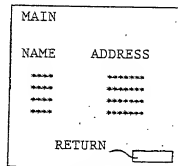


FIG. 6G

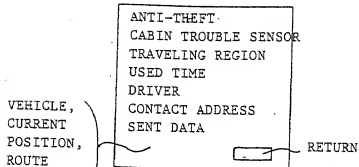


FIG. 6D

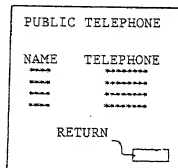
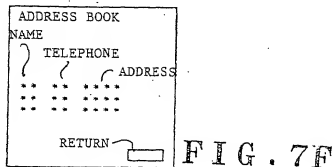
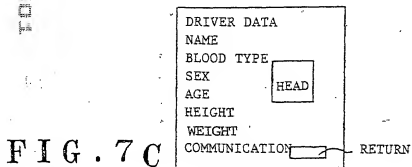
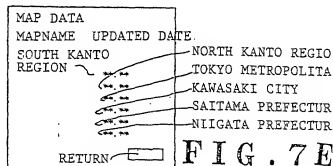
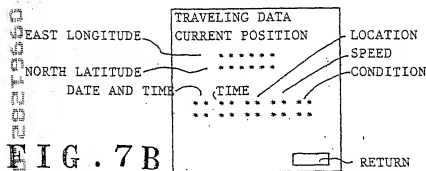
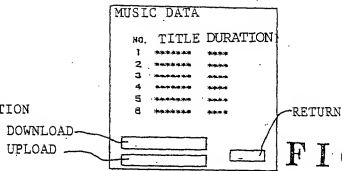
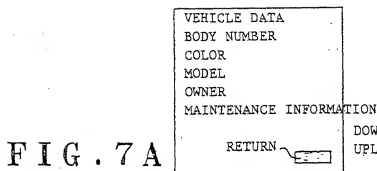
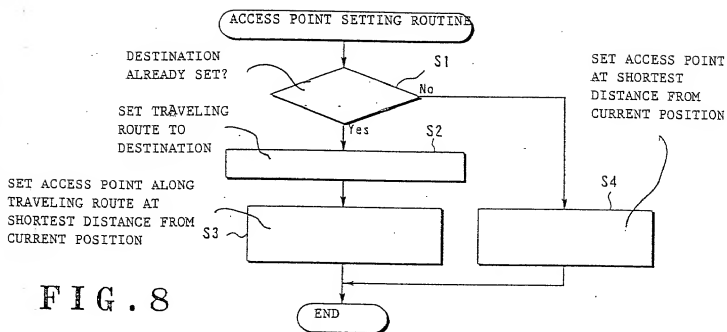


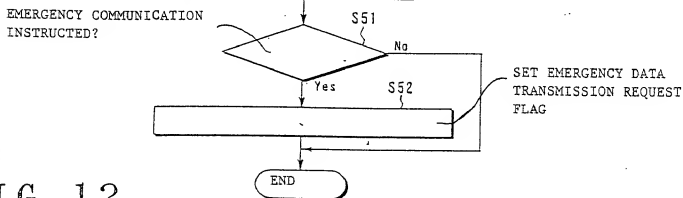
FIG. 6H



0061202007501
105210



**EMERGENCY DATA COMMUNICATION
SETTING ROUTINE**



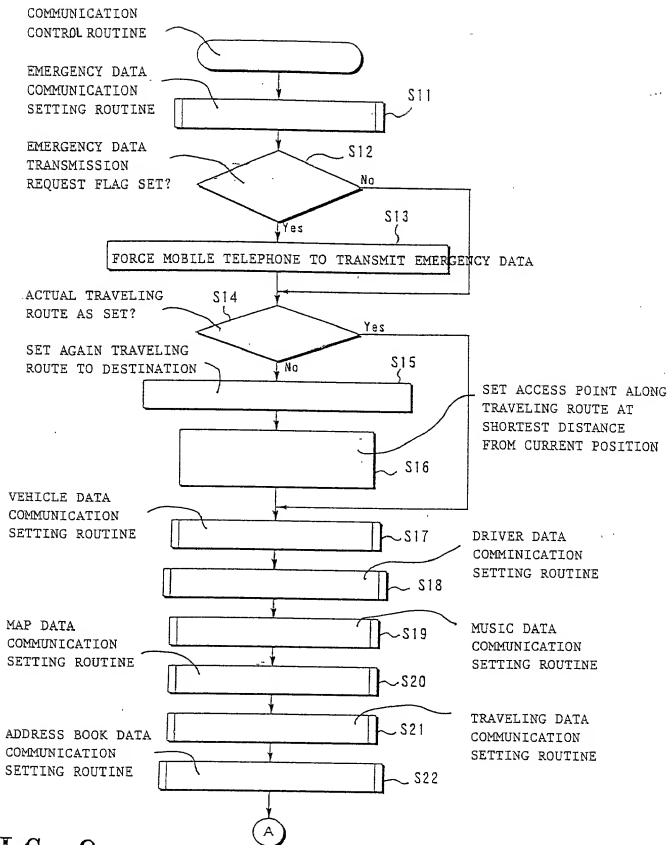
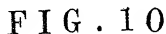


FIG. 9

DRIVER DATA TRANSMISSION
REQUEST FLAG A SET?

COMMUNICATION AVAILABLE ON
BLUETOOTH COMMUNICATION PATH?



COMMUNICATION AVAILABLE
ON MOBILE TELEPHONE
COMMUNICATION PATH?

VEHICLE DATA
EVENT TRANSMISSION
REQUEST FLAG SET?

DRIVER DATA
TRANSMISSION
REQUEST FLAG
B SET?

READ DRIVER DATA,
AND MOBILE
TELEPHONE TO
TRANSMIT DRIVER
DATA

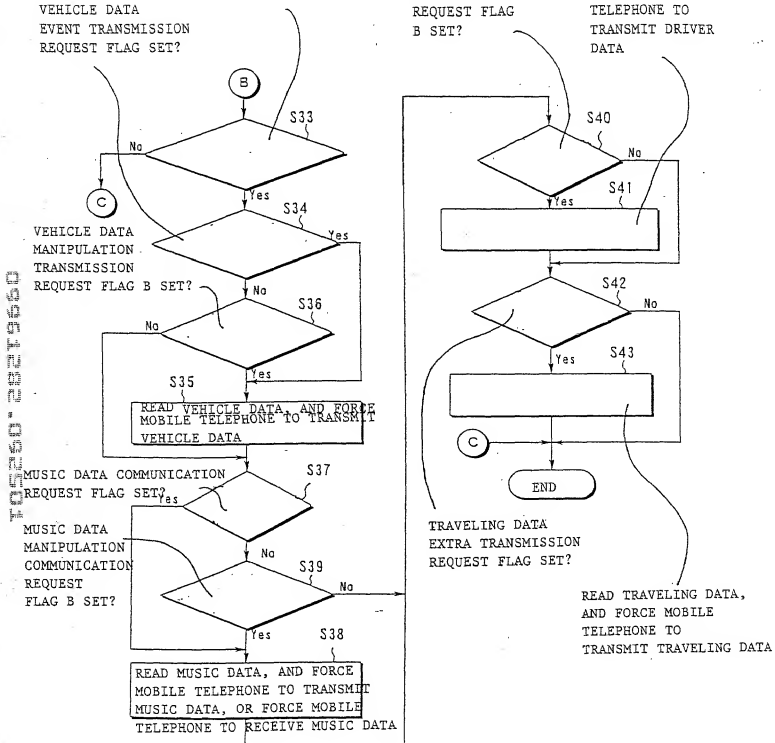


FIG. 11

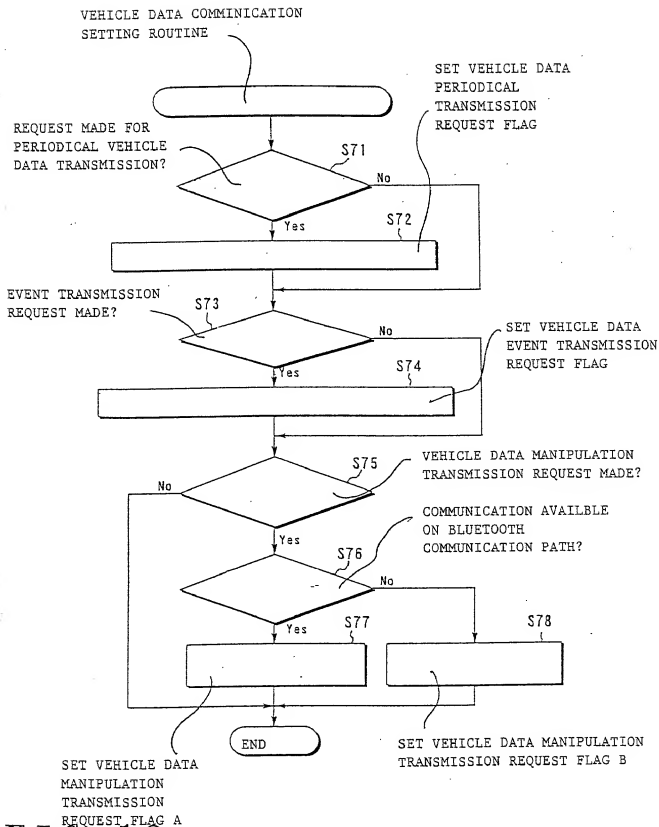


FIG. 13

VEHICLE DATA	TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
DRIVER DATA		ONE WEEK START OF VEHICLE	XXXX:YY:ZZ 12:10
MUSIC DATA		TWICE A DAY	XXXX:YY:ZZ 11:03
MAP DATA		TWICE A DAY	XXXX:YY:ZZ 12:00
TRAVELING DATA		ONE A MONTH	XXXX:YY:ZZ 12:00
ADDRESS BOOK DATA		EVERY 10 MINUTES	XXXX:YY:ZZ 09:45
EMERGENCY DATA		ONE A DAY	XXXX:YY:ZZ 12:50
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
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			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10
			XXXX:YY:ZZ 10:10

(OCCURRENCE OF
EMERGENCY

FIG. 14

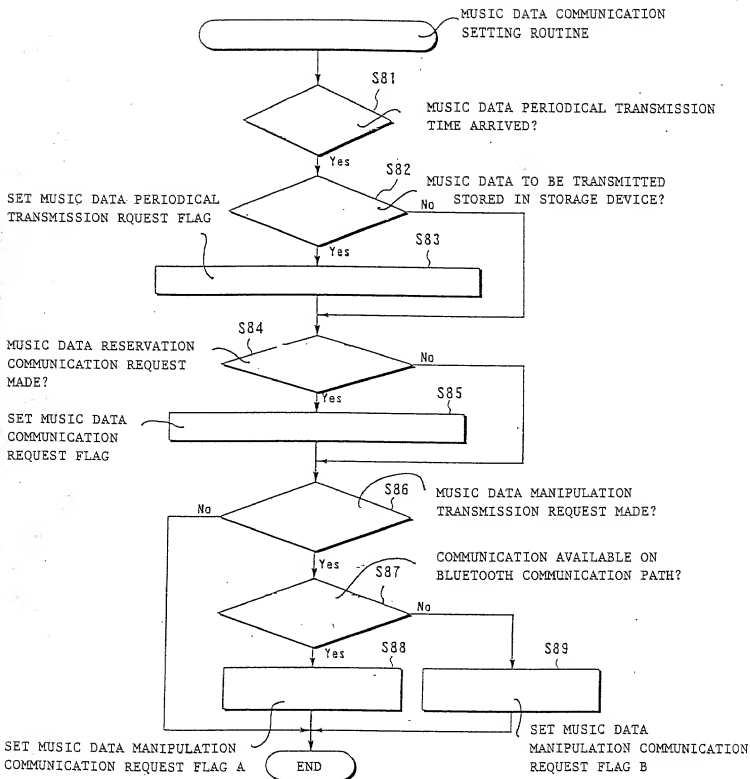
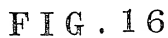


FIG. 15



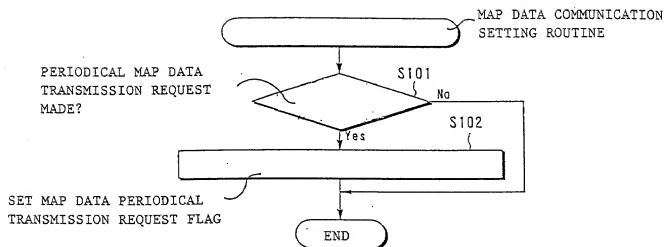
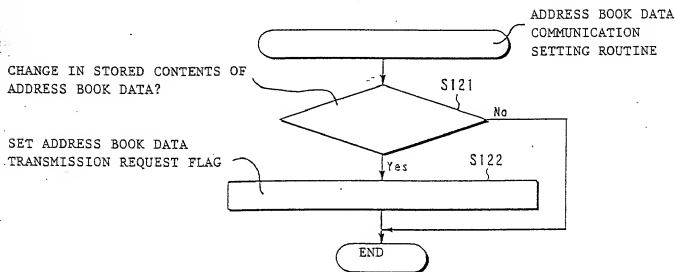
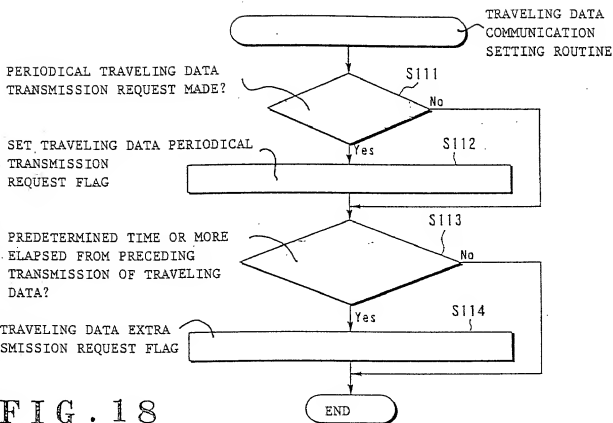


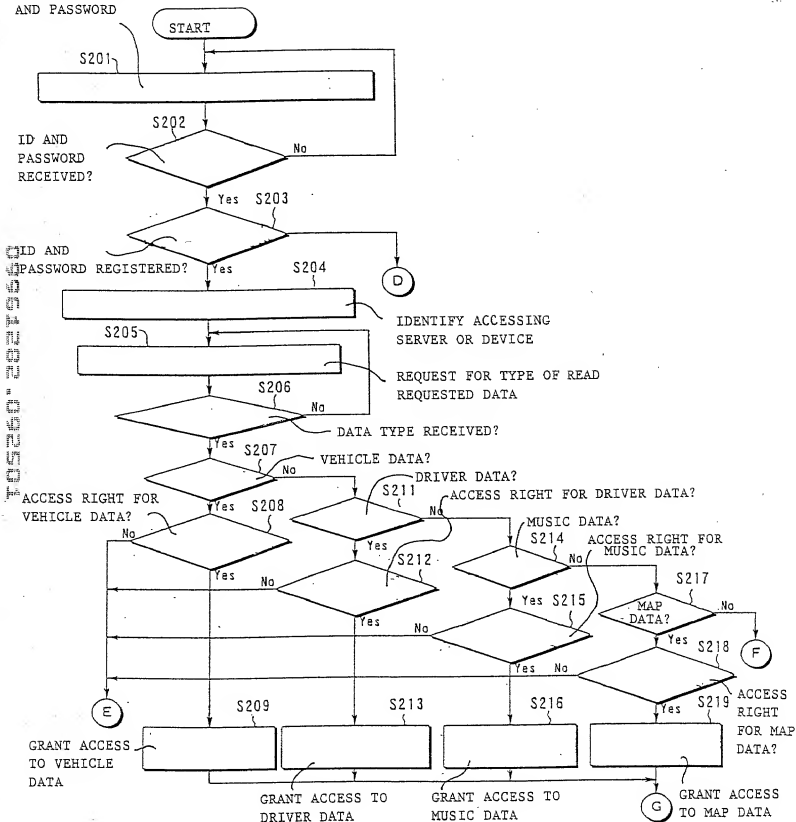
FIG. 17



TYPE	VEHICLE MANAGEMENT (CENTER DEVICE)		TRAVELING MANAGEMENT CENTER DEVICE		MUSIC DELIVERY CENTER DEVICE		EMERGENCY MESSAGE CENTER DEVICE	
	DEVICE OR SERVER			HOME SERVER	OFFICE SERVER			
VEHICLE DATA		○	○	○	○	×	○	○
DRIVER DATA		○	○	○	○	○	○	○
MUSIC DATA		×	×	○	○	○	×	×
MAP DATA		×	○	○	○	×	○	○
TRAVELING DATA		○	○	○	×	×	○	○
ADDRESS BOOK DATA		×	×	○	○	×	×	×
EMERGENCY DATA		×	×	○	×	×	○	○

FIG. 20

REQUEST FOR USER
IDENTIFICATION CODE IN
AND PASSWORD



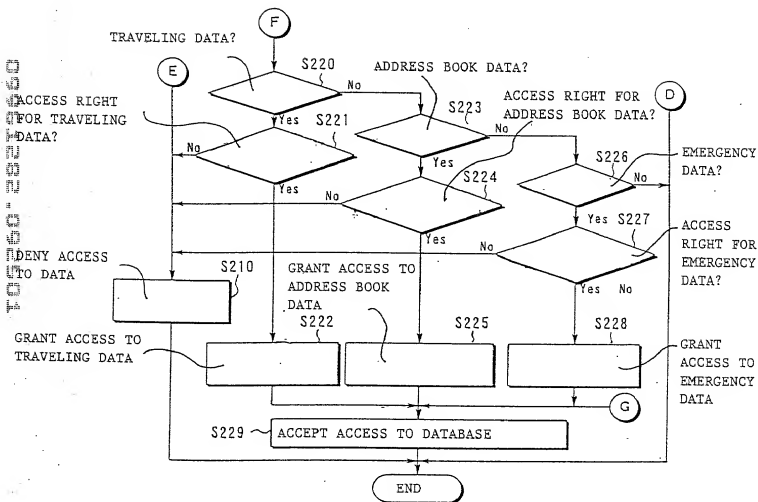


FIG. 22

USER GROUP		FAMILY MEMBER		FRIEND		SECURITY COMPANY		POLICE		FIRE STATION		REPAIR SHOP
TYPE		OWNER										
VEHICLE DATA		○	○	○	○	○	○	○	○	○	○	○
DRIVER DATA		○	○	○	○	○	○	×	○	×	×	×
MUSIC DATA		○	×	○	×	×	×	×	×	×	×	×
MAP DATA		○	○	○	○	○	○	○	×	×	×	×
TRAVELING DATA		○	○	×	×	×	×	×	×	×	×	○
ADDRESS BOOK DATA		○	×	×	×	×	×	×	×	×	×	×

FIG. 23



FIG. 24

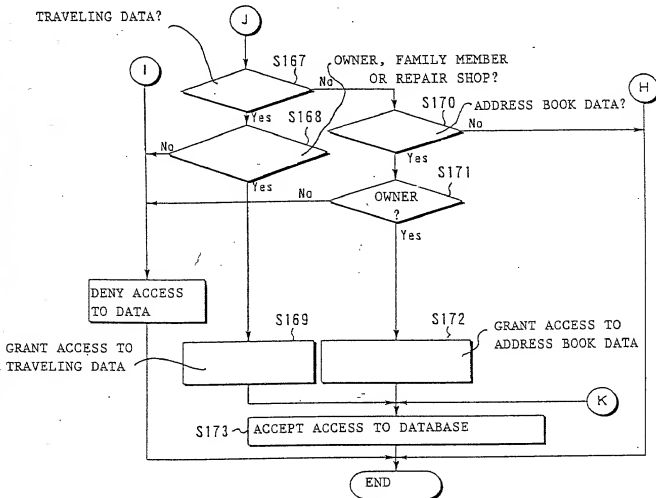


FIG. 25